

## **CARB 200 Series**

**#230: Surface Coating Operations: Metal Parts and Products**

**#230.1: Surface Coating Operations: Aerospace Industry**

**#222: Principles of Ambient Air Monitoring**

**#233: Solvent Cleaning: Degreasing Operations**

***November 13 - 16, 2001***

***EPA Regional Office, Park Place Building***

***12<sup>th</sup> Floor Bitterroot & Columbia Conference Rooms***

***1200 Sixth Avenue, Seattle, Washington***

### **#230: Surface Coating Operations: Metal Parts and Products**

This one-day course addresses the complex matter of paints and coatings used in the manufacture or refurbishment of metal parts and products. Combining lecture, discussion, and information video, students are introduced to topics such as coating formulation, volatile content limits, transfer efficiency, application equipment, inspector sampling, and laboratory analysis for liquid and powder coatings. This course is a prerequisite for all classes in the course #230 series.

### **#230.1: Surface Coating Operations: Aerospace Industry**

Coating processes are addressed as they apply to the manufacturing and refurbishment of aircraft and aerospace parts. This one-day course is a combination of lecture and discussion providing an overview that includes inspection strategy, procedure, and safety concerns. Discussion topics include: how aerospace coatings differ from other metal parts and products coatings, volatile organic content limits, inspection techniques, and non-punitive techniques for improving compliance rates.

### **#222: Principles of Ambient Air Monitoring**

This one-day course covers the basic design and theory of ambient air monitoring. Quality assurance and quality control methods as they relate to monitoring instruments will also be discussed. In addition, the course will cover site development criteria and data processing. This course will address ozone, oxides of nitrogen, carbon monoxide, hydrocarbon, particulate and sulfur dioxide monitors; and meteorology systems, and zero air systems.

### **#233: Solvent Cleaning: Degreasing Operations**

This one-day course provides baseline information on a variety of solvent cleaning and degreasing operations and equipment. Topics include: the various solvents used in these operations, the types of degreasers used, and the emissions of concern from solvent cleaners. Regulatory issues including Title III MACT standard issues as well as state and local concerns will be discussed. Also covered are strategies and recommended safety procedures for degreaser inspections. There is an associated field visit where students get firsthand experience on inspecting a solvent degreaser.

To register, email your name, organization, address, phone, email and fax to [ruthruff.diane@epa.gov](mailto:ruthruff.diane@epa.gov). Please call me for additional information at (206) 553-5139.

